ATTORNEY DOCKET NO. 07121.0003U1
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE **LIST OF PRIOR ART CITED BY APPLICANT** **(Use several sheets if necessary)**	**ATTORNEY DOCKET NO.:** 07121.0003U1	**SERIAL NO.** 09/990,874 **CONFIRMATION NO.** 2196
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	FILING DATE: November 21, 2001	**GROUP:** 1744

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	5,866,408	02/02/99	Sung et al.			
	A2	5,759,840	06/02/98	Sung et al.			
	A3	5,405,769	04/11/95	Campbell et al.			
	A4	5,078,802	01/07/92	Imanaka et al.			

FOREIGN PATENT DOCUMENTS

	A5	EP0473545 (B1)	03/04/92	Casimir-Schenkel			
	A6	WO 94/24270	10/27/94	Campbell et al.			
	A7	WO 95/12668	05/11/95	Wilson et al.			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	A8	Arase et al. Stabilization of xylznzse by random mutagenesis. *FEBS Lett.* 316:123-127 (1993)
	A9	Chandra et al. A Cellulase-Free Xylanase From Alkali-Tolerant Aspergillus fischeri Fxn1. *Biotechnol. Lett.* 17:309-314 (1995)
	A10	Fisk et al. Development of A Method for the Stabilization and Formulation of Xylanase from *Trichoderma* Using Experimental Design. *Stability and Stabilization of Enzymes* published by Elsevier Science Publishers B. V. pp323-328 (1993)
	A11	Gruber et al. Thermophilic Xylanase from *Thermomyces lanuginosus*: High-Resolution X-ray Structure and Modeling Studies. *Biochemistry* 37:13475-13485 (1998)
	A12	Irwin et al. Characterization and Sequence of a *Thermomonospora fusca* Xylanase. *Environ. Microbiol.* 60(3):763-770 (1994)
	A13	Kinoshita et al. Cloning of the *xynNB* Gene Encoding Xylanase B from *Aspergillus niger* and Its expression in Aspergillus kawachii. *J. Fermentation and Bioengineering* 79(5):422-428 (1995)
	A14	Krengel et al. Three-dimensional Structure of Endo-1, 4-β-xylanase I from Aspergillus niger: Molecular Basis for its Low pH Optimum. *J. Mol. Biol.* 263:70-78 (1996)
	A15	Lee et al. Purification and Characterization of Two EndoxylanasOes from Clostridium acetobutylicum ATCC 824. *Appl. Environ. Microbiol.* 53(4):644-650 (1987)

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mml	A16	Lüthi et al. Xylanase from the Extremely Thermophilic Bacterium "Caldocellum saccharolyticum": Overexpression of the Gene in *Escherichia coli* and Characterization. *Appl. Environ. Microbiol.* 56(9):2677-2683 (1990)
	A17	Mathrani. Thermophilic and alkalophilic xylanases from several Dictyolglomus isolates. *Appl. Microbiol. Biotechnol.* 38:23-27 (1992)
	A18	Misset, O. Stability of Industrial Enzymes. *Stability and Stabilization of Enzymes* published by Elsevier Science Publishers B. V. pp 111-131 (1993)
	A19	Nissen et al. Xylanases for the Pulp and Paper Industry. *Xylans and Xylanases* published by Elsevier, Amsterdam, pp 325-337 (1992)
	A20	Sakka et al. Nucletide Sequence of the *Clostridium stercorarium xynA* Gene Encoding Xylanase A: Identification of Catalytic and Cellulose Binding Domains. *Biosci. Biotech. Biochem.* 57(2):273-277 (1993)
	A21	Simpson et al. An extremely thermostable xylanase from the themophilic eubacterium *Thermotoga. Biochem. J.* 277:413-417 (1991)
	A22	Sung et al. Short synthetic oligodeoxyribonucleotide leader sequences enhance accumulation of human proinsulin synthesized in *Escherichia coli. Proc. Natl. Acad. Sci. USA* 83:561-565 (1986)
	A23	Sung et al. Overexpression of the *Bacillus subtilis* and circulans Xylanases in *Escherichia coli. Protein Expression Purif.* 4:200-206 (1993)
	A24	Sung et al. Expresion of *Trichoderma reesei* and *Trichoderma viride* xylanases in *Escherichia coli. Biochem. Cell. Biol.* 73:253-259 (1995)
	A25	Sunna et al. Xylanolytic Enzymes from Fungi and Bacteria. *Crit. Rev. Biotech.* 17(1):39-67 (1997)
	A26	Tolan et al. The Use of Enzymes to Decrease the Cl_2 Requirements in Pulp Bleaching. *Pulp & Paper Canada* 93:116-119 (1992)
	A27	Turenen et al. A combination of weakly stabilizing mutations with a disulfide bridge in the α-helix region of *Trichoderma reesei* endo-1, 4-β-xylanase II increases the thermal stability through synergiam. *J. Biotech* 88:37-46 (2001)
	A28	Wakarchuck et al. Thermostablization of the *Bacillus circulans* xylanase by the introduction of disufide bonds. *M. Protein Engineering* 7(11):1379-1386 (1994)
	A29	Winterhalter and Liebl. Two extremely Thermkostable Xylanases of the Hyperthermophilic Bacterium *Thermotoga maritima* MSB8. *Appl. Environ. Bicrobiol.* 61(5):1810-1815 (1995)
	A30	Zappe et al. Cloning and expression of a xylanase gene from *Closridium* acetobutlicum P262 in *Escherichia coli. Appl.Microbiol. Biotechnol.* 27:57-63 (1987)
mml	A31	Zappe et al. Nucleotide sequence of a Clostridium acetobutylicum P262 xylanase gene (*xynB*) *Nucl. Acids Res.* 18(8):2179 (1990)

EXAMINER: mml	DATE CONSIDERED: 7/1/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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